APPENDIX B

GENERIC AND DATA ELEMENT ATTRIBUTE DESCRIPTIONS

The following alphabetical list of attributes reflects the contents of the DDRS at the date of publication of this Manual. These attributes will change over time through a configuration control process after recommendations are made to the DoD DAd. Refer to the DDRS for the most up-to-date versions of these attributes. This information is included due to its importance. The data elements listed in this Appendix have not been approved but are based on a data model and will be submitted as candidate standard data elements upon approval of the required prime words.

A. AUTOMATED INFORMATION SOFTWARE SYSTEM IDENTIFIER

1. Definition: Identification of the entire set of programs, procedures, and related documentation associated with a computer system.

2. Domain Definition: A general domain comprised of the characters in the ASCII charter set.

3. Length: 35

4. Type: Alpha-numeric

5. Edit: Required attribute

B. AUTOMATED INFORMATION SOFTWARE SYSTEM NAME

1. Definition: The name of a system that maintains (adds, modifies, and deletes) a standard data element.

2. Domain Definition: A general domain comprised of the characters in the ASCII character set.

3. Length: 250

4. Type: Alpha-numeric

5. Edit: Required attribute

C. GENERIC ELEMENT AUTHORITY REFERENCE TEXT

1. Definition: Freeform text that describes the authority for and/or references supporting the existence of a particular generic element.

2. Domain Definition: A general domain comprised of the characters in the ASCII character set.

3. Length: 999

4. Type: Alpha-numeric .

5. Edit: Optional attribute

D. GENERIC ELEMENT CLASS WORD NAME

1. Definition: The word that identifies a specific category of data (e.g., date, dimension, and code, etc.) that will be represented by data values of a standard data element associated with a particular generic element.

2. Domain Definition: A specific domain comprised of the qualitative data values listed in Appendix A, above, of this Manual.

3. Length: 80

4. Type: Alphabetic

5. Edit: Required attribute. The class word must be in class word table in an approved “A” status unless creating a new class word. Prohibit the use of class word by other users until approved for DoD use.

E. GENERIC ELEMENT CLASS WORD POSITION IDENTIFIER

1. Definition: The number identifying the location of the class word in the generic name.

2. Domain Definition: A general domain comprised of up to two of the following integer values: 1-99.

3. Length: 2

4. Type: Integer

5. Edit: Required attribute

F. GENERIC ELEMENT DECIMAL PLACE QUANTITY

1. Definition: The quantity of decimal places allowable for a given generic element value.

2. Domain Definition: A general domain comprised the ASCII characters: O-99.

3. Length: 2

4. Type: Numeric

5. Edit Required attribute for generic element only if the generic element type name is fixed-point. This attribute is displayed at the data element level and cannot be changed.

G. GENERIC ELEMENT DEFINITION TEXT

1. Definition: Freeform text that represents the definition of a given generic element.

2. Domain Definition: A general domain comprised of the characters in the ASCII character set.

3. Length: 999

4. Type: ‘Alpha-numeric

5. Edit: Required attribute

H. GENERIC ELEMENT DOMAIN DEFINITION TEXT

1. Definition: Freeform text that describes the overall meaning or general characteristics of the domain of a particular generic element.

2. Domain Definition: A general domain comprised of the characters in the ASCII character set.

3. Length: 999

4. Type: Alpha-numeric

5. Edit: Required attribute

1. GENERIC ELEMENT DOMAIN VALUE DEFINITION TEXT

1. Definition: Freeform text describes the meaning of a domain value of a given generic element.

2. Domain Definition: A general domain comprised of the characters in the ASCII character set.

3. Length: 999

4. Type: Alpha-numeric

5. Edit: Required attribute if there are no low-range or high-range identifiers.

J. GENERIC ELEMENT DOMAIN VALUE IDENTIFIER

1. Definition: The unique identifier that represents a particular value within the domain of a specific generic element.

2. Domain Definition: A general domain comprised of the following ASCII characters: A-Z, O-9, hyphen (-), point (.), slash (/), underscore (_), and ampersand (&).

3. Length: 35

4. Type: Alpha-numeric

5. Edit Required attribute for quantitative data if there are no low-range and high-range identifiers or no source list text.

K. GENERIC ELEMENT HIGH-RANGE IDENTIFIER

1. Definition: The unique identifier that denotes the highest allowable value permitted in the domain range of a given generic element.

2. Domain Definition: A general domain comprised of all real numbers.

3. Length: 15

4. Type: Numeric

5. Edit: Required attribute if there are no domain value identifiers or source list text. If there is a high-range identifier, it must not be greater than the maximum character count quantity.

L. GENERIC ELEMENT LOW-RANGE IDENTIFIER

1. Definition: The unique identifier that denotes the lowest allowable value permitted in the domain range of a given generic element.

2. Domain Definition: A general domain comprised of the following ASCII characters: O-9, point (.), and minus (-).

3. Length: 15

4. Type: Numeric

5. Edit: Required attribute if there are no domain value identifiers or source list text.

M. GENERIC ELEMENT MAXIMUM CHARACTER COUNT QUANTITY

1. Definition: The maximum quantity of characters that can be stored for a domain value associated with a given generic element.

2. Domain Definition: A specific domain of quantitative data values ranging from 0001-9999.

3. Length: 4

4. Type: Numeric

5. Edit: Required attribute

N. GENERIC ELEMENT NAME

1. Definition: The long standard name of a specific type of data element (generic element) that describes and identifies a generic structure and domain. A generic element has no organizational or application context.

The structured name format comprises zero ton modifiers and one class word.

The general name format comprises: modifier and/or modifier and/or class word.

2. Domain Definition: A general domain comprised of the following ASCII characters: A-Z, hyphen (-), and space.

3. Length: 80

4. Type: Alpha-numeric

5. Edit: Required attribute. The class word must be in the class word table unless the user is creating a new class word.

O. GENERIC ELEMENT SECURITY CLASSIFICATION NAME

1. Definition: A code that defines the security classification of the existence of a specific generic element or its metadata.

2. Domain Definition: A specific domain comprised of the following qualitative data values:

NATO (North Atlantic Treaty Organization) Top Secret Atomal
NATO Top Secret
Top Secret
NATO Secret Atomal
NATO Secret
Secret
Secret Restricted
NATO Confidential Atomal
NATO Confidential
Confidential
Confidential Restricted
NATO Restricted
For Official Use Only
Unclassified Sensitive
Unclassified

3. Length: 25

4. Type: Alphabetic

5. Edit: Required attribute. The default is unclassified (maybe changed).

P. GENERIC ELEMENT TYPE NAME

1. Definition: The name of the data type associated with a specific generic element.

2. Domain Definition: A specific domain, comprised of the following qualitative data values: bit-string, integer, character string, fixed-point, and floating-point.

3. Length: 16

4. Type: Alpha-numeric

5. Edit: Required attribute

Q. INFORMATION ELEMENT JUSTIFICATION CATEGORY NAME

1. Definition: The positional justification of data values within a storage field.

2. Domain Definition: A specific domain comprised of the following qualitative data values: left and right.

3. Length: 5

4. Type: Alphabetic

5. Edit: Required attribute for a generic element and display only for a data element.

R. INFORMATION ELEMENT STANDARDIZATION AUTHORIN CODE

1. Definition: The branch of Service, government, or international organization that approved the element.

2. Domain Definition: A specific domain comprised of the following qualitative data values:

ANSI	American National Standards Institute
DoD	Department of Defense
FIPS	Federal Information Processing Standards
1s0	International Organization for Standardization
NATO	North Atlantic Treaty Organization

3. Length: 4

4. Type: Alphabetic

5. Edit: Optional attribute

S. INFORMATION QUALITATIVE DATA VALUE ACCURACY NUMBER PERCENT RATE

1. Definition: An indicator of how accurate a qualitative data value must be.

2. Domain Definition: A specific domain comprised of qualitative data values (O-9) ranging from 1 to 100.

3. Length: 3

4. Type: Numeric

5. Edit: Required attribute if data is qualitative.

T. INFORMATION QUANTITIVE DATA ACCURACY CODE

1. Definition: A character string indicating how accurate a quantitative data value must be.

2. Domain Definition: A specific domain comprised of the following:

1	nearest million
2	nearest 100,000
3	nearest 10,000
4	nearest 1,000
5	nearest 100
6	nearest 10
7	nearest 1
8	nearest. 1
9	nearest .01
10	nearest .001
11	nearest .0001
12	nearest .00001
99	none

3. Length: 2

4. Type: Numeric

5. Edit: Required attribute if data is quantitative.

u. PRIME WORD NAME

1. Definition: The name of the primary object (i.e., person, place, thing, or concept) of interest that a given data element describes.

2. Domain Definition: A general domain comprised the ASCII characters A-Z and hyphen (-).

3. Length: 170

4. Type: Alphabetic

5. Edit: Required attribute. The prime word name is a variable length field comprising zero-to n modifiers and a ‘prime word.

V. PRIME WORD NAME DEFINITION TEXT

1. Definition: A narrative describing the context of a principal term that has a precise meaning as it relates to a data entity standard.

2. Domain Definition: A general domain comprised of the characters in the ASCII character set.

3. Length: 999

4. Type: Alpha-numeric

5. Edit: Required attribute

W. PRIME WORD STEWARD NAME

1. Definition: The designated proponent for each prime word name derived from an information model.

2. Domain Definition: A general domain, e. g.:

USD(A)
USD(P)

ASD(SOLIC)
ASD(C31)
USD(C)
ASD(FMP)
ASD(HA)
ASD(LA)
ASD(RA)
IG, DOD
GC, DOD

3. Length: 10

4. Type: Alpha-numeric

5. Edit: Required attribute

X. PRIME WORD USING PROPONENT MODEL NAME

1. Definition: The name of the proponent for which the prime word name is contained in an information model.

2. Domain Definition: A general domain comprised of the ASCII character set.

3. Length: 10

4. Type: Alpha-numeric

5. Edit: Optional attribute

Y. PRIME WORD MODIFIER NAME

1. Definition: A character string that further describes a characteristic of an object, a relationship between objects or the object itself.

2. Domain Definition: A general domain comprised of the ASCII characters: A-Z, hyphen (-), and underscore (_)

3. Length: 170

4. Type: Alpha-numeric

5. Edit: Optional attribute. Cannot be a class word.

Z. PRIME WORD POSITION IDENTIFIER

1. Definition: The number identifying the location of the prime word name in the data element name.

2. Domain Definition: A general domain comprised of integer values 01-99.

3. Length: 2

4. Type: Numeric

5. Edit: Required attribute

AA. STANDARD DATA ELEMENT ACCESS NAME

1. Definition: An abbreviated name representing a specific data element. An access name is used to reference a data element in a database and must conform to the syntactical requirements of the database management system (DBMS) or programming language of the application in which a data element is used.

2. Domain Definition: A general domain mmprised of the following ASCII characters: A-Z, O-9, hyphen (-), underscore (_), and period (.).

3. Length: 30

4. Type: Alpha-numeric

5. Edit: Required at the time a data element is identified for use in an automated system.

BB. STANDARD DATA ELEMENT AUTHORITY REFERENCE TEXT

1. Definition: Freeform text that describes the authority for and/or references supporting the existence of a particular data element.

2. Domain Definition: A general domain comprised of the characters in the ASCII character set.

3. Length: 999

4. Type: Alpha-numeric

5. Edit: Optional attribute

CC. STANDARD DATA ELEMENT COMMENT TEXT

1. Definition: An administrative narrative regarding a generic element, standard data element, or nonstandard data element.

2. Domain Definition: A general domain comprised of the characters in the ASCII character set.

3. Length: 999

4. Type: Alpha-numeric

5. Edit: Optional attribute

DD. STANDARD DATA ELEMENT COMPONENT CODE

1. Definition: A code that denotes the DoD organization that uses a given data element within its systems.

2. Domain Definition: A specific domain comprised of data values identifying the DoD Components. For example:

DCAA	Defense Contract Audit Agency
DFAS	Defense Finance and Accounting Service
DIA	Defense Intelligence Agency
DIS	Defense Investigative Agency
DISA	Defense Information Systems Agency
DLA	Defense Logistics Agency
DLSA	Defense Legal Services Agency

DMA	Defense Mapping Agency
DNA	Defense Nuclear Agency
DRPA	Defense Research Projects Agency
DSAA	Defense Security Assistance Agency
NSA	National Security Agency/Central Security Service
OSD	Office of the Secretary of Defense
SDIO	Strategic Defense Initiative Organization
USAF	United States Air Force
USMC	United States Marine Corps

The above is a partial list of domain data values; the complete list of domain data values is available in the Defense Data Dictionary System (DDDS).

3. Length: 15

4. Type: Alphabetic

5. Edit: Optional attribute

EE. STANDARD DATA ELEMENT DATA VALUE SOURCE LIST TEXT

1. Definition: The source in which a lengthy list of data values is enumerated.

2. Domain Definition: A general domain comprised of the characters in the ASCII character set.

3. Length: 999

4. Type: Alpha-numeric

5. Edit: Optional attribute. For qualitative data if you have source list text, you will not have domain value identifiers.

FF. STANDARD DATA ELEMENT DECIMAL PLACE COUNT QUANTITY

1. Definition: The quantity of decimal places allowable for a given data element.

2. Domain Definition: A general domain comprised of the ASCII characters O-9.

3. Length: 2

4. Type: Numeric

5. Edit: Required attribute for generic element if element type name is fixed-point. This attribute is displayed at the data element level and cannot be changed. If there is a decimal place count quantity at the generic element level and the element type name is other than fixed-point, the system will display the decimal place count quantity, and it can be changed to be equal to or less than the decimal place count quantity at the generic element level.

GG. STANDARD DATA ELEMENT DEFINITION TEXT

1. Definition: Freeform text that represents the definition of a given data element.

2. Domain Definition: A general domain comprised of the characters in the ASCII character set.

3. Length: 999

4. Type: Alphanumeric

5. Edit Required attribute

HH. STANDARD DATA ELEMENT DOMAIN DEFINITION TEXT

1. Definition: Freeform text that describes the overall meaning or generic characteristics of the domain of a specific data element.

2. Domain Definition: A general domain comprised of the characters in the ASCII character set.

3. Length: 999

4. Type: Alpha-numeric

5. Edit Required attribute (entered at generic element level and displayed at data element level). It can be changed at data element level.

II. STANDARD DATA ELEMENT DOMAIN VALUE DEFINITION TEXT

1. Definition: Freeform text that describes the meaning of a domain value of a given data element.

2. Domain Definition: A general domain comprised of the characters in the ASCII character set.

3. Length: 999

4. Type: Alpha-numeric

5. Edit: If there are domain value definitions at the generic element level, they will be displayed at the data element level. If the domain value identifier is deleted, the domain value definition will be deleted at the same time. The domain value identifiers and definitions must be the same or a subject of the generic element.

JJ. STANDARD DATA ELEMENT DOMAIN VALUE IDENTIFIER

1. Definition: The unique identifier that represents a value within the domain of a specific data element.

2. Domain Definition: A general domain comprised of the following ASCII characters: A-Z, O-9, hyphen (-), point (.), O-9, slash (/), underscore (_), and ampersand (&). When the data element is quantitative, allowable values are O-9 and decimal point (.).

3. Length: 35

4. Type: alpha-numeric

5. Edit: If there are domain value identifiers, there will not be a high-range and low-range identifier. If there are domain value identifiers at the generic element level, the system will display them at the data element level. They can. be changed but must be the same set or subset of the generic element.

KK. STANDARD DATA ELEMENT FORMULA DEFINITION TEXT

1. Definition: Freeform text that describes the specific mathematical formula or

process required to calculate the value of a given quantitative data element.

2. Domain Definition: A general domain comprised of the characters in the ASCII character set.

3. Length: 999

4. Type: Alpha-numeric

5. Edit: Optional attribute

LL. STANDARD DATA ELEMENT FUNCTIONAL AREA CODE

1. Definition: An indication of the functional area of responsibility within the Department of Defense.

2. Domain Definition: A specific domain comprised of qualitative data values ranging from 001-999.

3. Length: 3

4. Type: Numeric

5. Edit: Required attribute

MM. STANDARD DATA ELEMENT HIGH-RANGE IDENTIFIER

1. Definition: A unique identifier that denotes the highest allowable quantity permitted in the range of domain values of a given data element.

2. Domain Definition: A general domain comprised of the set of all real numbers.

3. Length: 15

4. Type: Numeric

5. Edit: If there is a high-range identifier at the generic element level, the system will display it. It can be changed to be equal to or less than the high-range identifier of the generic element. If there is a high-range identifier, it must not be greater than the

maximum capable of being stored according to the character count quantity of the data element.

NN. STANDARD DATA ELEMENT LOW-RANGE IDENTIFIER

1. Definition: A unique identifier that denotes the lowest allowable quantity permitted in the range of the domain values of a given data element.

2. Domain Definition: A general domain comprised of the set of all real numbers.

3. Length: 15

4. Type: Numeric

5. Edit: If there is a low-range identifier at the generic element level, the system will display it. It can be changed to be equal to or greater than the low-range identifier of the generic element.

00. STANDARD DATA ELEMENT MAXIMUM CHARACTER COUNT QUANTITY

1. Definition: The maximum quantity of characters that can be stored for a data element.

2. Domain Definition: A general domain comprised of integer values ranging from 1 to 9999.

3. Length: 4

4. Type: Numeric

5. Edit Required attribute. This is a display field brought over from the generic element. This field can be less than the length of the generic element.

PP. STANDARD DATA ELEMENT NAME

1. Definition: The long standard name that describes and identifies a given data element. Structured name format will consist of a prime word name and a generic element name.

2. Domain Definition: A general domain comprising the following ASCII characters: A-Z and hyphen (-),

3. Length: 250

4. Type: Alpha-numeric

5. Edit: Required attribute. Generic element name indicated must be a DoD-approved element. The data element name cannot already exist in the DDRS.

QQ. STANDARD DATA ELEMENT ORIGIN OFFICE NAME

1. Definition: The name of the office that originated or proposed the metadata about a specific element.

2. Domain Definition: A general domain comprised of the characters in the ASCII character set.

3. Length: 100

4. Type: Alpha-numeric

5. Edit: Required attribute

RR. STANDARD DATA ELEMENT REVIEW COMMENT TEXT

1. Definition: A narrative that provides remarks pertinent to the evaluation of a candidate element.

2. Domain Definition: A general domain comprised of the characters in the ASCII character set.

3. Length: 9999 ,

4. Type: Alpha-numeric

5. Edit: Optional attribute

SS. STANDARD DATA ELEMENT SECURITY CLASSIFICATION NAME

1. Definition: A code defines the security classification of the existence of a given data element and its metadata.

2. Domain Definition: A specific domain comprised of the following qualitative data values:

NATO top secret atomal
NATO top secret
Top secret
NATO secret atomal
NATO secret
Secret
Secret restricted
NATO confidential atomal
NATO confidential
Confidential
Confidential restricted
NATO restricted
For official use only
Unclassified sensitive
Unclassified

3. Length: 25

4. Type: Alphabetic

5. Edit: Required attribute. Default is unclassified.

T-r. STANDARD DATA ELEMENT STEWARD NAME

1. Definition: The name of the office responsible for managing the metadata of a specific data element.

2. Domain Definition: A general domain comprised of the following ASCII characters: A-Z, hyphen (-), point (.), and O-9.

3. Length: 250

4. Type: Alpha-numeric

5. Edit Required attribute

UU. STANDARD DATA ELEMENT TIMELINESS CODE

1. Definition: An indication of how often data values must be updated.

2. Domain Definition: A specific domain comprised of the following qualitative data values:

AR	As Required
A	Annually
BI	Biennially
BM	Bimonthly
BW	Biweekly
D	Daily
H	Hourly
M	Monthly
OT	One Time
Q	Quarterly
QDY	Quarter Day
QI	Quinquennially
QD	Quadrennially
RT	Real Time
SA	Semiannually
TD	Twice Daily
TH	Twice Hourly
TRA	Thrice Annually
TRI	Triennially
z	None

3. Length: 3

4. Type: Alphabetic

5. Edit: Required attribute

W. STANDARD DATA ELEMENT UNIT MEASURE NAME

1. Definition: The word or combination of words that express the designation of how the data values for a data element are measured (e.g., Inches, Pounds, Dollars, Gallons).

2. Domain Definition: A general domain comprised of the following ASCII characters: A-Z, hyphen (-), and slash (/).

3. Length: 30

4. Type: Alpha-numeric

5. Edit: Required attribute for elements containing quantitative class names.

Attachment

Index of Attribute Descriptions

INDEX OF ATTRIBUTE DESCRIPTIONS

A. AUTOMATED INFORMATION SOFTWARE SYSTEM INFORMATION

1. Automated information software system identifier 1

2. Automated information software system name 1

. B. GENERIC ELEMENT INFORMATION

1. Generic element authority reference text 1

2. Generic element class word name 2

3. Generic element class word position identifier 2

4. Generic element decimal place count quantity 2

5. Generic element definition text 2

6. Generic element domain definition text 3

7. Generic element domain value definition text 3

8. Generic element domain value identifier 3

9. Generic element high-range identifier 4

10. Generic element low-range identifier 4

11. Generic element maximum character count quantity 4

12. Generic element name 4

13. Generic element quantity classification name 5

14. Generic element type name 5

(...

C. DATA ELEMENT, ELEMENT, AND QUALITATIVE DATA INFORMATION

1. Information element justification category name 6

2. Information element standardization authority code 6

3. Information qualitative data value accuracy number percent rate 6

4. Information quantitative data accuracy code 7

D. PRIME WORD INFORMATION

1. Prime word name 7

2. Prime word name definition text 7

3. Prime word steward name 8

4. Prime word using proponent model name 8

5. Prime word modifier name 8

6. Prime word position identifier 9

E. STANDARD DATA ELEMENT INFORMATION

1. Standard data element access name 9

2. Standard data element authority reference text 9

3. Standard data element comment text 9

4. Standard data element component code 10

5. Standard data element data value source list text 10

6. Standard data element decimal place count quantity 11